Approved For Release 2005/05/02 RENRDP78B04770A002400020035-7

	25X1
	PAR 211
	8 Sept 64
SUBJECT: Microdensitometer Study of Effects of Processing	
1. Collect and study microdensitometric data from mission materials in an attempt to determine the effect of film emulsions, processing, and printing on the characteristics of image edges. Also, attempt to determine true location of image edges for mensuration purposes.	
on this project to date, and the direction of future inclusion of low contrast resolving power and module in the data collected on the effect of processing of the meaning was held in Washington will concerning the nature of the mensuration like assistance. This is basically the problem of	ation transfer measurements of the second state of the second sec
in the aerial photograph, in which the objects are not much larger than the ground resolution of the system. Effort is needed to find a technique which will give the actual edge location in the presence of image degrading factors such as smearing of the image due to light spreading in the emulsion, uncompensated image motion, and lens aberrations.	

GROUP 1 Excluded from automatic downgrading and declassification

25X1

SECRET

Declass Review by NGA.

## Approved For Release 2005/05/02 : CIA-RDP78B04770A002400020035-7 SECRET

PAR 211

8 Sept 64

4. Data are being collected on the modulation transfer function, granularity, acuteness, and resolving power of Types 4400, 4401, and 4404 films processed by standard Trenton techniques and in specially formulated developers designed to give reduced granularity or increased sharpness.

## PLANNED ACTIVITIES

- 5. During the next quarter, the study of the effects of processing developer formula variations on film image structure characteristics will be continued.
  - 6. Work will be started on the mensurational aspects of this project.
- 7. No work will be started on Phases 2b and 2c of this PAR until further discussions are held with \_\_\_\_\_\_ These phases involve the use of trained photointerpreters to evaluate the quality of aerial exposures having special processing. Test objects must be included in the scene and the nature of these test objects is the subject of the discussion.





## SECRET